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NASA Institutional Scientific Collection (ISC) at Ames Research Center

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The NASA Institutional Scientific Collection (ISC) at Ames Research Center is the official repository of non-human flight and ground biospecimens. These specimens are curated and managed by the Ames Life Sciences Data Archive (ALSDA), an internal node of NASA's Life Sciences Data Archive (LSDA). The NASA ISC at Ames includes more than 30,000 preserved biological specimens from experiments dating from 1975 to present and is the only source of publicly accessible space-flown non-human specimens.

WHO CAN REQUEST TISSUES?

- Tissues from the NASA ISC at Ames are available for request by ALL researchers, including those based outside the United States.
- Tissues are generally of interest to interdisciplinary researchers and those studying disease processes, i.e. Muscle Atrophy, Bone Demineralization, etc.
- Teachers at all levels are encouraged to apply for tissues (especially older mission tissues), for classroom demonstrations and student projects.

HOW DO I REQUEST TISSUES?

- Tissues can be requested at any time.
- A request is initiated by submitting an online Data Request at <https://lsda.jsc.nasa.gov>
- If the requested tissues are available, the requestor will be sent instructions for submission of a short proposal.

HOW CAN I LEARN MORE ABOUT THE TISSUES IN THE NASA ISC AT AMES?

- To learn about available tissues, use the [Biospecimen Search function on the LSDA webpage](#) to browse the tissue database. Click on the "Details" link for any specimen in search results to view detailed metadata.



For more information email: arc-dl-alsda@mail.nasa.gov